Notice of Au	Application No.	Applicant(s)	Applicant(s)	
Notice of Allowability	10/665,012	SILLARD ET AL.		
	Examiner			
	Akm Enayet Ullah			
The MAILING DATE of this	7 Mili Erlayet Ullah	2874		
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RICE of the Office or upon petition by the applicant. See 37 CFR 1.313 at 1. This communication is responsive to June 18, 2004. 2. The allowed claim(s) is/are 1-36. 3. The drawings filed on are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1 Certified copies of the priority documents have be 2 Certified copies of the priority documents have be 3 Copies of the certified copies of the priority documents international Bureau (PCT Rule 17.2(a)).	er 35 U.S.C. § 119(a)-(d) or (f)	cation will be mailed in due ject to withdrawal from issu	ed course. THIS e at the initiat	
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of the complex of the complex will result in ABANDONMENTHIS THREE-MONTH PERIOD IS NOT EXTENDABLE.				
A SUBSTITUTE OATH OR DECLARATION must be submitted INFORMAL PATENT APPLICATION (PTO-152) which gives read in Corrected Drawlings (as "replacement sheets") must be submitted including changes required by the Notice of Draftsperson's submitted of Draftsperson's submitted including changes required by the Notice of Draftsperson's submitted of Draftsperson's submitted including changes required by the attached Examiner's American Paper No./Mail Date submitted including changes required by the attached Examiner's American Submitted including indicia such as the application number (see 37 CFR 1.84(c)) each sheet. Replacement sheet(s) should be labeled as such in the heat DEPOSIT OF and/or INFORMATION about the deposit of attached Examiner's comment regarding REQUIREMENT FOR T	submitted. Patent Drawing Review (PTC endment / Comment or in the should be written on the drawider according to 37 CER 1 404	0-948) attached Office action of	·	
Notice of References Cited (PTO-892) Notice of Praftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 6/18/04 Examiner's Comment Regarding Requirement for Deposit of Biological Material	Paper No./Mail Date 7. Examiner's Amendm 8. Examiner's Statemen 9. Other	ent/Comment		

Reasons For Allowance

None of the references disclose alone or in combination a chromatic dispersion compensation module comprising:

the module having insertion losses IL expressed in dB,

where
$$IL = \frac{D_{DCM}}{D_{DCF}} \cdot \alpha_{DCF} + \Gamma_{in} + \Gamma_{out}$$

and where $D_{DCM} = -1360$ ps/nm,

the module having a non-linearity criterion NLC representing the effects of the non-linear phase and expressed in 10-6km/W-dB,

where
$$NLC = \frac{100 \cdot n_2 \cdot (1 - 10^{\frac{D_{DCM}}{10 \cdot FOM_{DCF}}})}{A_{eff} \cdot \alpha_{DCF} \cdot 10^{\frac{\Gamma_{in}}{10}}}$$
,

the module having a quality criterion CQ expressed in dB,

where $CQ = IL + 10 \log NLC$,

the module having a quality-to-price ratio criterion CQ2 expressed in dB,

where
$$CQ2 = CQ + B \log(FOM_{DCF})$$

and where B = 18,

61.3 dB.

and the compensation optical fiber or the set of compensation optical fibers in series having,

firstly, average chromatic dispersion more negative than -130 ps/nm-km,

secondly, average chromatic dispersion to dispersion slope ratio in the range 240 nm to 400 nm, and

thirdly, for a given average figure of merit, average attenuation sufficiently high for the quality criterion to be less than 20.5 dB and the quality-to-price ratio criterion to be less than AKM E

AKM ENAYET ULLAH PRIMARY EXAMINER